

Dialog

**External skin agent useful for e.g. curing wounds - contg. flavone glycoside and/or isoflavone glycoside**

**Patent Assignee: SHISEIDO CO LTD**

#### Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 1096106	A	19890414	JP 87255292	A	19871009	198921	B

**Priority Applications (Number Kind Date): JP 87255292 A ( 19871009)**

#### Patent Details

Patent	Kind	Language	Page	Main IPC	Filing	Notes
JP 1096106	A		8			

#### Abstract:

JP 1096106 A

A new external skin agent contains one or more flavone glycosides of formula (I) and/or isoflavone glycosides of formula (II); where e.g. R1 = H, OH, or OCH3; R2 = H, OH, or OCH3, R3 = H, OH, or OCH3, R4 = Glucose; R5 = OH, or OCH3; R6 = OH or OCH3) R7 = R8 OCH2O; R9 = H or OH; R10 = H or OH;; R11 = O-Glucose or O-Glucose-Glucose; and R12 = H.

The glycosides may be natural or synthetic. The natural glycosides are extracted, e.g., from Iridaceae plants, such as Iris florentinal L., with one solvent of ethyl acetate, butyl acetate, amyl acetate, acetone, methyl ethyl ketone, acetyl acetone, methanol, ethanol, butanol, water, and their mixts. To remove hydrophobic ingredients, the extract may be subjected in advance to extrn. with a nonpolar solvent e.g. hexane. Further purificn. is done, e.g., by silica-gel column chromatography with a mixed solvent of chloroform, methanol, and water, followed by reversed phase chromatography with C18. The blend ratio of the glycoside(s) based on the dry form is 0.000001-5 wt.%, pref. 0.00005-1 wt.%.

**USE/ADVANTAGE** - The agent is effective for curing wounds, preventing and curing rough skin, and preventing ageing e.g. wrinkles and loss of glossiness.

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#### EXTERNAL DRUG FOR SKIN

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**Inventors:**

- MIYAHARA REIJI
- KOMAZAKI HISAYUKI

**Applicants**

- SHISEIDO CO LTD (A Japanese Company or Corporation), JP (Japan)

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**International Class (IPC Edition 4):**

- A61K-007/00

**JAPIO Class:**

- 14.4 (ORGANIC CHEMISTRY--- Medicine)

**Abstract:**

**PURPOSE:** To obtain an external drug for skin having excellent antiaging effect to prevent the sagging of skin and loss of luster as well as wound-healing effect and preventive and improving effect to chapped skin, by compounding flavone glucoside and/or isoflavone glucoside.

**CONSTITUTION:** The objective external drug for skin contains 0.00005-1% (in terms of dry component) of flavone glucoside and/or isoflavone glucoside of formula I (R(sub 1)-R(sub 3) are H, OH or OCH(sub 3); R(sub 4) is Glucose, R(sub 5) and R(sub 6) are OH or OCH(sub 3)) or formula II (R(sub 1) and R(sub 2) are OCH(sub 2)O; R(sub 3) and R(sub 4) are H or, OH ; R(sub 5) is O-Glucose or O-Glucose-Glucose ; R(sub 6) is H or R(sub 1), R(sub 2), R(sub 4)-R(sub 6) are H, OH or OCH(sub 3) ; R(sub 3) is O-Glucose). The above active compound may be a synthesized product or a natural extract. It can be used in the form of foundation, dispersion, ointment, etc., as well as solubilized system and emulsified system. (From: *Patent Abstracts of Japan*, Section: C, Section No. 617, Vol. 13, No. 308, Pg. 159, July 14, 1989 )

JAPIO

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